

IAP12 Rec'd PCT/PTO 04 MAY 2006

SEQUENCE LISTING
SEQUENCE LISTING

<110> International Institute of Cancer Immunology, Inc.

<120> HLA-DR-BINDING ANTIGEN PEPTIDE DERIVED FROM WT1

<130> 664758

<140> 2003-375603

<141> 2003-11-05

<160> 56

<170> PatentIn Ver. 2.1

<210> 1

<211> 449

<212> PRT

<213> Homo sapiens

<400> 1

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Met Gly Ser Asp Val Arg Asp Leu Asn Ala Leu Leu Pro Ala Val Pro
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Ser Leu Gly Gly Gly Gly Gly Cys Ala Leu Pro Val Ser Gly Ala Ala
          20          25          30
Gln Trp Ala Pro Val Leu Asp Phe Ala Pro Pro Gly Ala Ser Ala Tyr
          35          40          45
Gly Ser Leu Gly Gly Pro Ala Pro Pro Pro Ala Pro Pro Pro Pro
 50          55          60
Pro Pro Pro Pro His Ser Phe Ile Lys Gln Glu Pro Ser Trp Gly Gly
 65          70          75          80
Ala Glu Pro His Glu Glu Gln Cys Leu Ser Ala Phe Thr Val His Phe
          85          90          95
Ser Gly Gln Phe Thr Gly Thr Ala Gly Ala Cys Arg Tyr Gly Pro Phe
          100          105          110
Gly Pro Pro Pro Pro Ser Gln Ala Ser Ser Gly Gln Ala Arg Met Phe
          115          120          125
Pro Asn Ala Pro Tyr Leu Pro Ser Cys Leu Glu Ser Gln Pro Ala Ile
          130          135          140
Arg Asn Gln Gly Tyr Ser Thr Val Thr Phe Asp Gly Thr Pro Ser Tyr
          145          150          155          160
Gly His Thr Pro Ser His His Ala Ala Gln Phe Pro Asn His Ser Phe
          165          170          175
Lys His Glu Asp Pro Met Gly Gln Gln Gly Ser Leu Gly Glu Gln Gln
          180          185          190
Tyr Ser Val Pro Pro Pro Val Tyr Gly Cys His Thr Pro Thr Asp Ser
          195          200          205
Cys Thr Gly Ser Gln Ala Leu Leu Leu Arg Thr Pro Tyr Ser Ser Asp
          210          215          220

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SEQUENCE LISTING

Asn Leu Tyr Gln Met Thr Ser Gln Leu Glu Cys Met Thr Trp Asn Gln
 225 230 235 240
 Met Asn Leu Gly Ala Thr Leu Lys Gly Val Ala Ala Gly Ser Ser Ser
 245 250 255
 Ser Val Lys Trp Thr Glu Gly Gln Ser Asn His Ser Thr Gly Tyr Glu
 260 265 270
 Ser Asp Asn His Thr Thr Pro Ile Leu Cys Gly Ala Gln Tyr Arg Ile
 275 280 285
 His Thr His Gly Val Phe Arg Gly Ile Gln Asp Val Arg Arg Val Pro
 290 295 300
 Gly Val Ala Pro Thr Leu Val Arg Ser Ala Ser Glu Thr Ser Glu Lys
 305 310 315 320
 Arg Pro Phe Met Cys Ala Tyr Pro Gly Cys Asn Lys Arg Tyr Phe Lys
 325 330 335
 Leu Ser His Leu Gln Met His Ser Arg Lys His Thr Gly Glu Lys Pro
 340 345 350
 Tyr Gln Cys Asp Phe Lys Asp Cys Glu Arg Arg Phe Ser Arg Ser Asp
 355 360 365
 Gln Leu Lys Arg His Gln Arg Arg His Thr Gly Val Lys Pro Phe Gln
 370 375 380
 Cys Lys Thr Cys Gln Arg Lys Phe Ser Arg Ser Asp His Leu Lys Thr
 385 390 395 400
 His Thr Arg Thr His Thr Gly Lys Thr Ser Glu Lys Pro Phe Ser Cys
 405 410 415
 Arg Trp Pro Ser Cys Gln Lys Lys Phe Ala Arg Ser Asp Glu Leu Val
 420 425 430
 Arg His His Asn Met His Gln Arg Asn Met Thr Lys Leu Gln Leu Ala
 435 440 445

Leu

<210> 2
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<400> 2
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<210> 3
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Val Tyr Gly Cys His Thr Pro Thr Asp
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Leu Ser Ala Phe Thr Val His Phe Ser
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Met Asn Leu

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<210> 33
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<223> Xaa at 1 position stands for Abu.

<400> 33
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<210> 34
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<223> Description of Artificial Sequence:Synthetic Peptide

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<210> 36

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<223> Description of Artificial Sequence:Synthetic Peptide

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<210> 37

<211> 9

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<223> Description of Artificial Sequence:Synthetic Peptide

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<210> 38

<211> 9

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<223> Description of Artificial Sequence:Synthetic Peptide

<400> 38

Ala Tyr Leu Pro Ala Val Pro Ser Leu
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SEQUENCE LISTING

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<210> 41
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<223> Xaa at 5 position stands for Abu.

<400> 43

Arg Tyr Pro Ser Xaa Gln Lys Lys Phe
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<210> 44

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<211> 9

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<210> 46

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<210> 47

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Leu Val Arg His His Asn Met His Gln
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SEQUENCE LISTING

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<210> 49
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1 5

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1 5

SEQUENCE LISTING